Earthdata UTC Meeting 10.11.2016

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- 5. User Support Tool
- 6. CMR/ECHO/Earthdata Search/MMT
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    - Metadata Management Tool Release Status
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1. Attendance

Please make a comment at the bottom of this agenda to record your attendance.

2. EMS Status

Nelson Casian**o**

- **Upcoming/Ongoing Activities with Data Providers**
    - EMS Release 1.5.1.1
        - Currently in development. This release includes fixes to increase country and domain resolution.
        - Deployment to production is scheduled for first week in November 2016.
    - New ASF Distribution File Names
        - Testing deletion of the redundant logs delivered by ASF. We plan to delete the old records by Thursday of this week.
    - LPDAAC
        - Testing OPeNDAP files in UAT. EMS team will coordinate with LPDAAC to configure in production.
    - GHRC
        - Testing new distribution files in UAT. EMS team will work with GHRC to resolve search expression issues.
    - GES DISC
        - Completed testing and promoted to production the new NRT file delivered by GES DISC.
    - ECS Release 8.4.2 Testing
        - Conitnued testing NSIDC files in UAT – no issues in testing thus far.
    - MODAPS
        - Continued testing Sentinel 3a distribution files in UAT.
    - ORNL
        - Created two new data sources for ORNL (Shopping Cart and ECHO/CMR). Currently tested in UAT.

3. Earthdata Login

Peter Smith

- **URS Integration Information on SSO and the API's can be found on** Wiki
- **DAAC On-boarding Status and Integration Schedule can be found on** Wiki
    - Please get in touch (Peter Smith) if you are having trouble accessing any of the Wiki areas.
- **URS4 Development**
    - Current increment PI2.4
    - In Production (Release 4.56)
- Earthdata Login public wiki
    - *** New Tools page ***

Sprint Status

Sprint	Start Date	Release	UAT Date	OPS Date
PI2.4	03 Oct 2016			

PI2.3	19 Sep 2016	**4.57**	10 Oct 2016	
PI2.2	05 Sep 2016	4.56	22 Sep 2016	29 Sep 2016
PI2.1	22 Aug 2016	4.55	13 Sep 2016	15 Sep 2016
PI1.4	01 Aug 2016	4.54	14 Aug 2016	14 Aug 2016
PI1.3	18 Jul 2016	4.53	11 Aug 2016	08 Aug 2016

Ticket Status

Ticket	Sprint
URSFOUR-715 - Support HEAD authentication requests	
URSFOUR-713 - URS cookies contain invalid Expires timezone	
URSFOUR-705 - An application should be able to redirect to ED Login for additional EULA/Sentinel authorizations	
URSFOUR-704 - Add 'Application' as user type options for user profile	
URSFOUR-701 - Accept both username and email at the login	
URSFOUR-698 - Implement unauthorized access to public user profile data	

URSFOUR-697 - Determine which user profile fields should be public, and which should require authorization	
URSFOUR-695 - Update LDAP Application model to store required user profile attributes	
URSFOUR-694 - Provide capability to support application required user profile attributes during application authorization	
URSFOUR-693 - Provide the ability to add/edit application required fields during application registration	
URSFOUR-690 - want a list of all the applications I can authorize, with descriptions	
URSFOUR-686 - URS appends form parameters to URL when clicking on 'Register' link	
URSFOUR-683 - An application should be able to determine if a user is in a given group	
URSFOUR-677 - URS should return a 401 if an expired refresh token is used.	PI1.4
URSFOUR-675 - Place an upper limit on the maximum number of tokens a user can have.	PI1.4
URSFOUR-674 - Delay cleanup of tokens to allow use of refresh token	PI1.3
URSFOUR-673 - Provide information on what to do if an activation email is not received.	
URSFOUR-670 - Error when MMT accesses URS API in UAT	2.74

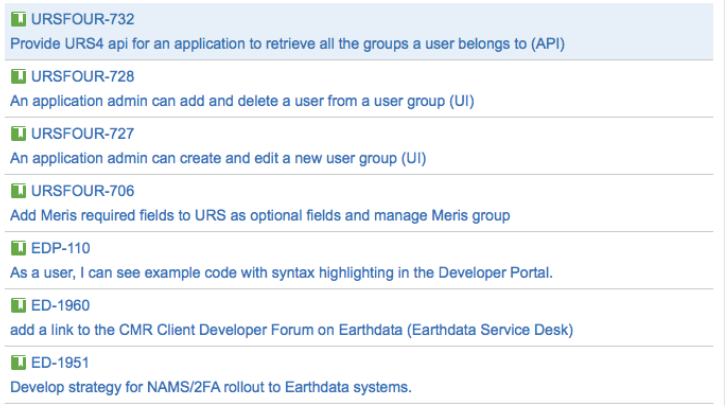
URSFOUR-664 - Application image/description does not show up in pre-authorization.	PI1.4
URSFOUR-655 - Include profile 'age' with user profile info.	2.73
URSFOUR-649 - Reference to 'User Registration System' in Earthdata Login GUI.	2.72
URSFOUR-643 - Provide a means for an application to require a value for user profile fields.	2.70

4. Earthdata

Nathan Clark Brett McLaughlin Robert Gelinas

- Multiple studies ongoing
  - ECC "in the cloud"
  - Earthdata Login "in the cloud"
- Two-factor authentication via NAMS prototype
  - Functioning
  - Rollout schedule TBD
- Continued Conduit work
  - Features specific to Earthdata
  - Features usable by a wider audience (open source, reuse, etc.)

Key tickets in current sprint



All Issues

ED-1590
Box in Earthdata needs Autocomplete (Earthdata Service Desk)

ECON-880
As a Content Author, I can set/edit the filename for an image uploaded to Conduit.

ECON-879
As a Content Author, I can see a user-friendly URL like "/media/some_image.jpg" to use when sharing a…

ECON-878
As a Content Author, I can set/edit the filename for an attachment uploaded to Conduit.

ECON-877
As a Content Author, I can see a user-friendly URL like "/files/some_file.pdf" to use when sharing a file u…

ECC-1010
Provide a recommendation regarding the feasibility, constraints and issues around migrating the ECC to …

ECC-1006
JIRA Migration to Cloud Study

ECC-1005
ECC Connectivity and Dependency Study

5. User Support Tool

Nemanja Djuric

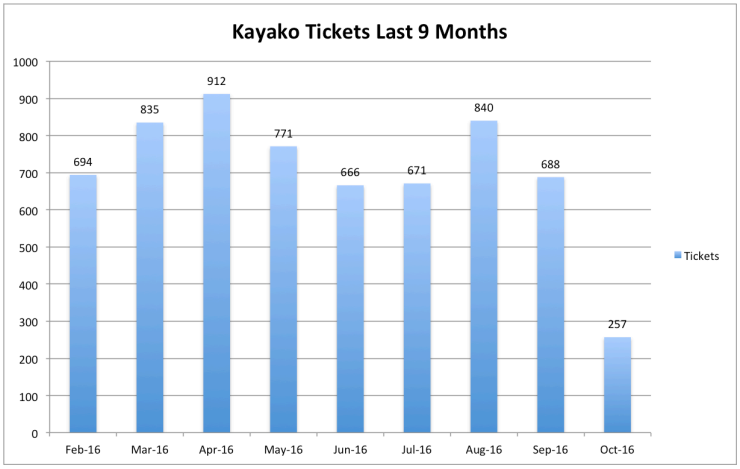
Activities:

Issues:

No issues.

Recent Metrics

Kayako Overall Last 9 Months Tickets



Total Kayako Tickets since last UTC

	Closed	In Progress	On Hold	Open	Waiting for DAAC	Waiting for User	Total
ASDC	42	6		5			53
ASF	13						13
CDDIS	1			1			2
DAACs	1						1
ECC	10			1			11
ECHO	7			18			25
Earthdata Search	11			7			18
FIRMS	6	1				2	9
GCMD	2	2		3			7
GES-DISC		1					1
GHRC	9	1		1			11
GIBS	1						1
LANCE	1						1
LPDAAC	24	7	1	4	5		41
MODAPS	23	2					25
OB.DAAC				1			1
ORNL DAAC	5			7			12
PO.DAAC	10	4		2			16
PO.DAAC Forum	3			2			5
Rapid Response	2						2
Reverb	4			1			5
URS	59			24			83
UUI				6			6

Worldview	7	1		1			9
Total	241	25	1	84	5	2	358

6. CMR/ECHO/Earthdata Search/MMT

Doug Newman

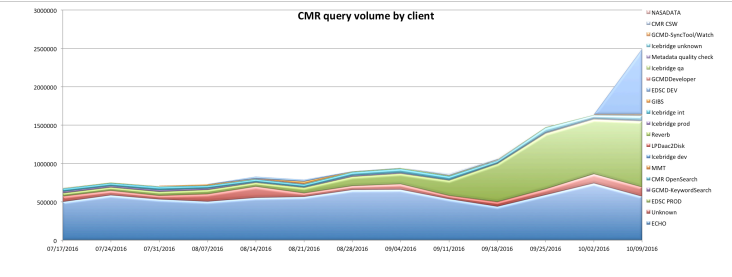
CMR/ECHO System Status

System Issues

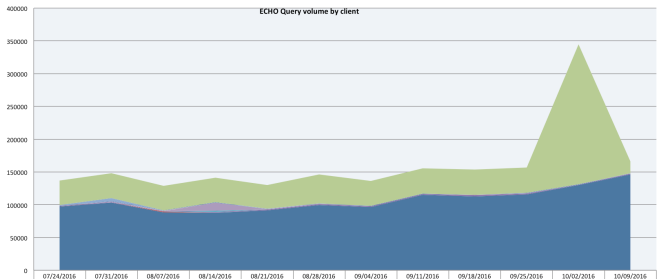
- 09/29/2016, 10/04/16, 10/05/16 - Sporadic outages of CMR in PROD from 2am-4am ET due to re-indexing collection load and other of hours activities
    - Solution: moved this activity to less resource intense time of day. Also to a period where we are monitoring the system.
- 10/10/16 11:00am - 11:45am ET - Earthdata Search collection searches failing in PROD and UAT
    - Solution: NGAP disk space reclaimed. Note: we should have been warned of disk space issues by AWS but were not. Investigating.

Recent Metrics

CMR client usage

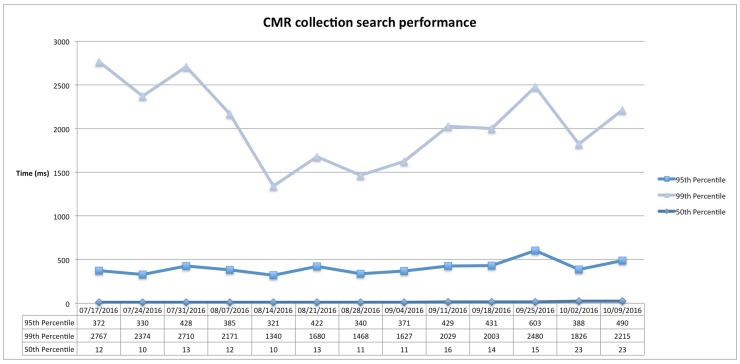


ECHO Client Usage

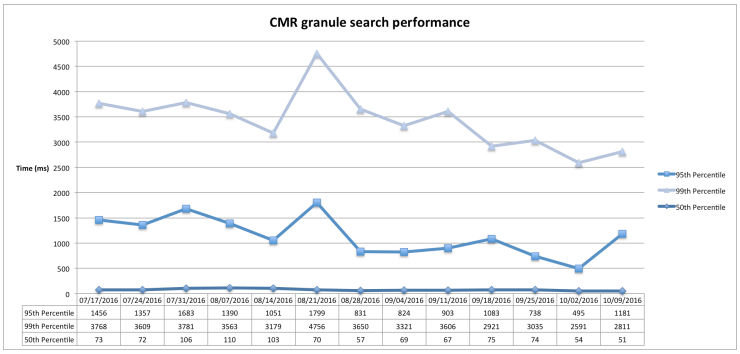


	07/24/2016	07/31/2016	08/07/2016	08/14/2016	08/21/2016	08/28/2016	09/04/2016	09/11/2016	09/18/2016	09/25/2016	10/02/2016	10/09/2016
Other	37155	37456	37695	37266	36461	44623	38058	39000	38770	38933	213458	18430
LPDAAC2DiskCLI	1178	4942	107	186	83	624	10	6	7	6	3	9
AUTOMOD	64	488	635	524	536	0	434	60	90	412	176	122
UAH			35	35	35	40	35	35	35	35	35	35
CRT		0	0	0	0	0	0	0	0	0	0	0
PUMP	106	844	390	12814	295	547	248	366	491	391	71	282
AVAPC		0	0	1549	0	0	0	0	0	0	0	0
Worldview	837	1013	801	1071	1058	1125	1293	1234	1761	1282	1020	1038
GSFCS4PA	4	18	2	0	0	0	6	2	0	0	2	2
GESDISC		0	800	0	0	0	0	0	0	0	2	0
GMUCWICWrapper	28	36	30	0	26	0	0	0	0	0	0	0
Reverb	97410	103114	88521	88075	91682	99523	96202	115013	112789	115821	129809	146330

CMR Query Performance



	07/17/2016	07/24/2016	07/31/2016	08/07/2016	08/14/2016	08/21/2016	08/28/2016	09/04/2016	09/11/2016	09/18/2016	09/25/2016	10/02/2016	10/09/2016
95th Percentile	372	330	428	385	321	422	340	371	429	431	603	388	490
99th Percentile	2767	2374	2710	2171	1340	1680	1468	1627	2029	2003	2480	1826	2215
50th Percentile	12	10	13	12	10	13	11	11	16	14	15	23	23



	07/17/2016	07/24/2016	07/31/2016	08/07/2016	08/14/2016	08/21/2016	08/28/2016	09/04/2016	09/11/2016	09/18/2016	09/25/2016	10/02/2016	10/09/2016
95th Percentile	1456	1357	1683	1390	1051	1799	831	824	903	1083	738	495	1181
99th Percentile	3768	3609	3781	3563	3179	4756	3650	3321	3606	2921	3035	2591	2811
50th Percentile	73	72	106	110	103	70	57	69	67	75	74	54	51

CMR Release Status

In Production: 1.59

CMR-3371	CMR stores tag association data keys as kebab case.
CMR-3368	Humanizer fields not being indexed correctly in UAT
CMR-3362	Update AST_L1A virtual collections Granule_Spatial_Representation from CARTESIAN to GEODETIC
CMR-3332	Invalid configuration items in UAT
CMR-3313	Granules exist in Ops with temporal start time or end time later than the temporal end of its parent collection
CMR-3303	As a client user, I want to conditionally exclude default values during umm-c ingest validation
CMR-3164	Polygon search causes internal error
CMR-3156	Error with initializing oracle connection

In UAT: 1.60

CMR-3399	Metadata-DB logs are indexed in UTC time and not EDT time
CMR-3350	As an Ops user, I should have a way of determining via Splunk if an ingest request is new or updating an existing granule
CMR-3340	Translate UMM ISOTopicCategories to ISO 19115-2 (MENDS)
CMR-3335	UMM AncillaryKeywords are not translated to ISO-19115 (MENDS)
CMR-3273	DIF 10 Product_Level_Id not translated to UMM-C
CMR-2654	As a user I would like keyword (free text) searches to include the 'IDN Node' field.
CMR-2652	As a user I would like 'keyword' (free text) searches to include the Ancillary Keyword field.

Earth Data Search Release Status

In Production: 1.28

EDSC-1181	Automated Download Script creation throws 500 error.
EDSC-1168	EDSC Automatic Download Script replaces >> with >> when downloaded.
EDSC-1166	Automated Download Script generated does not properly account for NSIDC process
EDSC-1164	keyword search from landing page no longer works
EDSC-1162	Granule filters are not representative of collection data (Earthdata Search)
EDSC-1156	Error retrieving options on Data Access page (Earthdata Search)
EDSC-1153	Service options not loading for some users in OPS
EDSC-1133	Fix URL compressors when CMR-3207 is done

In UAT: 1.29

EDSC-1207	Clearing the filters after drawing a rectangular bounding box causes the SW and NE points to not display for subsequent bounding boxes
EDSC-1191	EDSC url shows ngap after return from URS
EDSC-1188	Cronjob logs not searchable in splunk
EDSC-1181	Automated Download Script creation throws 500 error.
EDSC-1174	Collections with GIBS imagery do not show the imagery badge
EDSC-1173	Automatic Download Script does not work with LPDAAC provided data.
EDSC-1165	Data Access screen does not load in IE 11 for collections with Subsetting
EDSC-1114	As a user, I should be able to do a temporal search without any special syntax
EDSC-1113	As a user, I should be able to do a spatial search without any special syntax
EDSC-1079	Update native collection and granule metadata links to use the .native extension
EDSC-990	Collections with subsetting services not included in that Features grouping (Earthdata Search Service Desk)

Metadata Management Tool Release Status

In Production: 1.30

MMT-691	Error trying to delete collection using MMT in UAT

In UAT: 1.32

MMT-697	Move MMT to current version of UMM-C schema
MMT-557	Organization XML from DIF 10 record not translated into MMT Organization form

CMR Operational changes

- The 1.60 release of CMR Ingest will return a 201 status code for newly ingested collections and granules. Updates continue to return 200
- Ingest warning messages on API

Upcoming PMs

-

7. GIBS

Matthew Cechini

- **General Items**
  - ICD Revision 2 - Comment period has ended. Final version will be baselined shortly.
- **New/Planned Products**
  - Multi-Day Products - Numerous mullti-day imagery products have been released to GIBS production, but cannot be included in Worldview until an issue with image download is resolved. Code has been received and is being tested. Impacted products include:
    - WELD - Annual & Monthly CR321 & NDVI
    - ASDC - MOPITT/CERES/MISR Radiance
    - GHRC - RSS/HRFC
    - NSIDC - MEaSUREs Ice Velocity
  - MODIS Collection 6 - Atmosphere & Land Reprocessing
    - Atmosphere STD Reprocessing - Nearly complete with AOD and Water Vapor reprocessing. Preparing reprocessing of Cloud Top Height, Effective Radiance, and Optical Thickness products.
    - Land L2 STD Reprocessing- Awaiting full completion of Atmosphere L2 STD Reprocessing.
    - Land L3 - Awaiting start of Land L2 STD Reprocessing.
  - Non-BEDI Imagery Products
    - Completed review of updated OMI AOD NRT products. Awaiting historical reprocessing prior to release.
    - Reviewing MISR NRT high-res products with imagery provider and science team.

        - Testing MODIS C6 NDVI NRT imagery products in UAT environment.
        - Updating GPM Rain/Snow/Tb layers in UAT environment.
    - BEDI Activities - Actively working towards operationalization of the following products:
        - OMI/AIRS/MERRA/LDAS - GESDISC
            - Coordinating update to Giovanni to address color palette issues.
                - Initial testing is positive, awaiting release to production.
                - OMI, MERRA, LDAS, and AIRS historical reprocessing to be performed next.
        - RSS/LIS - GHRC
            - Historical & Forward processing pushed to GIBS production on 9/30.
        - MISR - ASDC
            - Completed initial testing for fix to MISR granule "issue". Pending resource availability for historical reprocessing.
        - ASTER L1T - LPDAAC
            - Performing verification of historical reprocessing custom API.
        - Aquarius/MEaSUREs/SSMI - NSIDC
            - Aquarius/MEaSUREs/SSMI historical imagery pushed to GIBS production on 9/30.
            - Addressing geolocation issues with NISE products.
        - Aquarius/MODIS PODAAC
            - Pending coordination of historical reprocessing.

Alex De Luca Jerome King

- **GIBS Production Status**
    - No incident or milestones to report.

8. Worldview

Taylor Gunnoe Benjamin King

- **Worldview Releases**
    - v1.3 - Animation support, entering testing
- Animation features status:
    - Updates
        - Created a README for worldview-timeline-components, an external resource for worldview.
        - Fixed minor bugs with the widget in anticipation of release.
        - Created a custom precache solution for handling custom colormaps.
    - Plan
        - Continue to optimize and annotate code.
        - Deploy and test feature.
- Open source development status:
    - Migrated several issues to Github
    - Updated build scripts for using Worldview code with alternate clients
    - Updated vagrant scripts

9. Open Floor